

SERVICE MANUAL



Specifications

General

Frequency Ranges:	TX: 156.025 MHz - 157.425 MHz RX: 156.050 MHz - 163.275 MHz
Channel Spacing:	25 kHz
Frequency Stability:	±10 ppm (−4 °F to +140 °F [−20 °C to +60 °C])
Emission Type:	16K0G3E
Antenna Impedance:	50 Ω
Supply Voltage:	7.4V DC, Negative Ground (Battery Terminal)
Current Consumption:	280 mA (Receive, Typical at AF MAX.) 50 mA (Standby) 10 mA (Standby, Saver On) 1.6 A / 1.5 A / 1.0 A / 0.7 A (TX: 6 W / 5 W / 2.5W / 1W)
Operating Temperature:	−4 °F to +140 °F (−20 °C to +60 °C)
Thermometer Operating Range:	14 °F to +140 °F (−10 °C to +60 °C)
Case Size (W x H x D):	2.44" x 5.57" x 1.61" (62 x 141.5 x 41 mm) w/o knob & antenna
Weight (Approx.):	10.8 oz (305 g) w/FNB-V99LI, Belt Clip, & Antenna

Transmitter

RF Power Output:	6 W / 5 W / 2.5 W / 1 W (@7.4 V)
Modulation Type:	Variable Reactance
Maximum Deviation:	±5 kHz
Spurious Emission:	−75 dBc typical
Microphone Impedance:	2 kΩ

Receiver

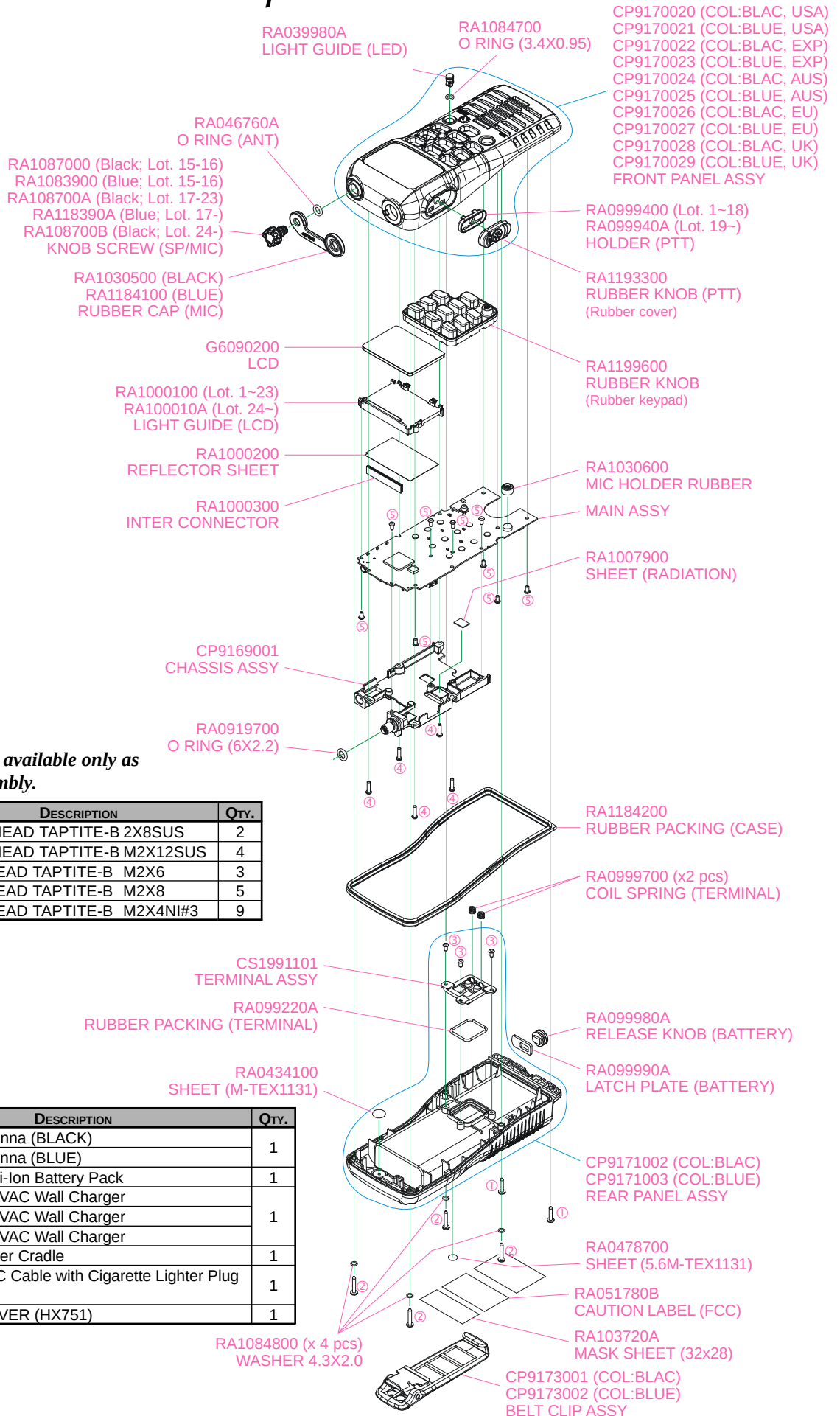
Circuit Type:	Double-Conversion Superheterodyne
Intermediate Frequencies:	1st: 47.25 MHz 2nd: 450 kHz
Adjacent Channel Selectivity:	70 dB typical
Intermodulation:	70 dB typical
Ham & Noise Ratio:	40 dB typical
Sensitivity:	0.25 μV for 12 dB SINAD
Selectivity:	12 kHz / 25 kHz (−6 dB / −60 dB)
AF Output (Internal SP):	700 mW @16 Ω for 10 % THD (@7.4 V)

Performance specifications are nominal, unless otherwise indicated, and are subject to change without notice. Measured in accordance with TIA/EIA-603.

Important Note

The **HX751** was assembled using Pb (lead) free solder, based on the RoHS specification. Only lead-free solder (Alloy Composition: Sn-3.0Ag-0.5Cu) should be used for repairs performed on this apparatus. The solder stated above utilizes the alloy composition required for compliance with the lead-free specification, and any solder with the above alloy composition may be used.

Exploded View & Miscellaneous Parts



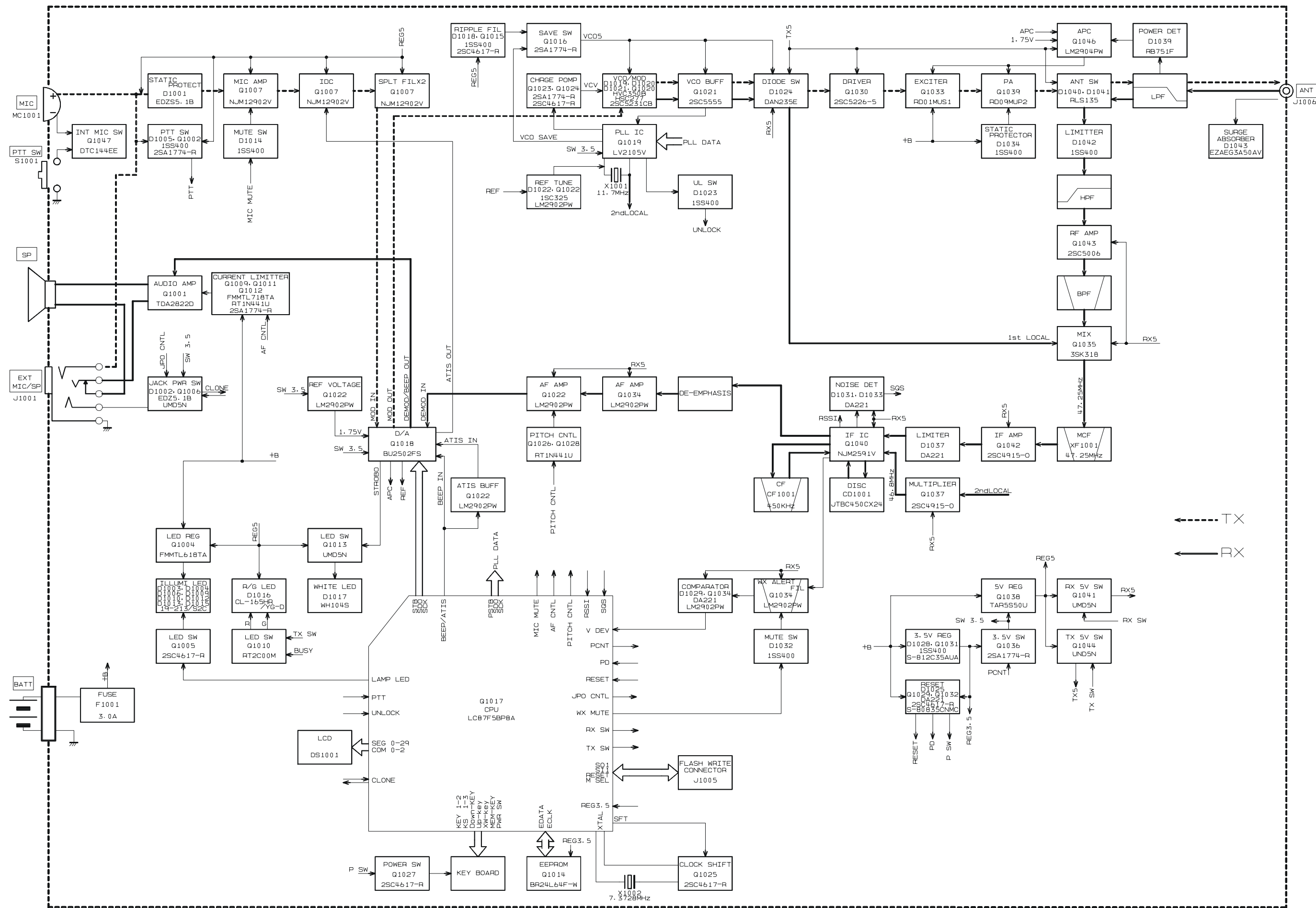
Non-designated parts are available only as part of a designated assembly.

REF.	VXSTD P/N	DESCRIPTION	QTY.
①	U24108020	BIND HEAD TAPTITE-B 2X8SUS	2
②	U24112020	BIND HEAD TAPTITE-B M2X12SUS	4
③	U9900019	PAN HEAD TAPTITE-B M2X6	3
④	U9900026	PAN HEAD TAPTITE-B M2X8	5
⑤	U9900068	PAN HEAD TAPTITE-B M2X4NI#3	9

VXSTD P/N	DESCRIPTION	QTY.
Q3000176	CAT460 Antenna (BLACK)	1
Q3000235	CAT460 Antenna (BLUE)	
AAF99X002	FNB-V99LI Li-Ion Battery Pack	1
AAD88X002	NC-88B 120VAC Wall Charger	1
AAD88X003	NC-88C 230VAC Wall Charger	
AAD88X004	NC-88U 230VAC Wall Charger	
AAF94X001	CD-39 Charger Cradle	1
Q9000821	E-DC-19A DC Cable with Cigarette Lighter Plug (w/o CE, UK)	1
RA1213700	BOTTOM COVER (HX751)	1

Note

Block Diagram



1. Receiver Signal Flow

1-1. Front-end RF Amplifier

Received VHF bands signals pass through the low-pass filter/high-pass filter circuit, T/R switch circuit composed of diode switch **D1040 (RLS135)**, **D1041 (RLS135)**, and protector diode **D1042 (1SS400)** before additional filtering by a high-pass filter prior to application to RF amplifier **Q1043 (2SC5006)**. The amplified RF signal is passed through the band-pass filter to first mixer **Q1035 (3SK318)**. Meanwhile, VHF output from the VCO is applied through diode T/R switch **D1024 (DAN235E)** to mixer **Q1035** as the first local signal.

1-2. First Intermediate Frequency

The 47.25 MHz first intermediate frequency from first mixer is passed through 47.25 MHz monolithic crystal filter (MCF) **XF1001** to IF amplifier **Q1042 (2SC4915-O)** for input to pin 16 of IF IC **Q1040 (NJM2591V)** after amplitude limiting by **D1037 (DA221)**.

Meanwhile, a portion of the output of 11.7 MHz crystal **X1001** is multiplied fourfold by **Q1037 (2SC4915-O)** to provide the 46.8 MHz second local signal, applied to the IF IC **Q1040**. Within the IC, this signal is mixed with the 47.25 MHz first intermediate frequency signal to produce the 450 kHz second intermediate frequency.

This second IF is filtered by ceramic filter **CF1001 (LTWC450F)** and amplified by the limiting amplifier within the IF IC before quadrature detection by ceramic discriminator **CD1001 (JTBM450CX24)**.

Demodulated audio is output from pin 9 of the IF IC **Q1040**, and then is passed through a de-emphasis filter **Q1034** and band-pass filter **Q1022** (both **LM2902PW**) to the volume control IC **Q1018 (BU2502FS)**.

The adjusted audio signal from pin 22 of the volume control IC **Q1018** is applied to the audio power amplifier **Q1001 (TDA2822D)**, providing up to 700 mW of audio power to the 16-ohm loudspeaker.

1-3. Squelch Control

Signal components in the neighborhood of 15 kHz contained in the discriminator output pass through an active band-pass filter composed of resistors **R1211**, **R1213**, & **R1214**, and capacitors **C1172** & **C1182** and the operational amplifier between pins 7 and 8 within IF IC **Q1040**. They are then rectified by **D1031** and **D1033** (both **DA221**) to obtain a DC voltage corresponding to the level of noise.

This voltage is input to pin 16 of the microprocessor **Q1017 (LC87F7BC8A-F56G2)**, which compares the input voltage with a previously set threshold. If the DC squelch control voltage is “high”, the microprocessor **Q1017** controls pin 22 of volume control IC **Q1018 (BU2502FS)** goes “low”, thus disabling the AF audio. Also, the microprocessor stops scanning, if active, and allows audio to pass through the volume control IC **Q1018**.

2. Transmitter Signal Flow

2-1. Transmit/Receive Switching

Closing PTT switch **S1001** pulls the base of **Q1002 (2SA1744-R)** “low”, causing the collector to go high. This signal is input to pin 22 (PTT) of microprocessor **Q1017**, allowing the microprocessor to recognize that the PTT switch has been pushed.

When the microprocessor **Q1017** detects closure of the PTT switch, pin 31 (TX SW) goes “high”. This control signal switches **Q1044 (UMD5N)**. At the same time, PLL division data is input to PLL IC **Q1019 (LV2105V)** from the microprocessor **Q1017**, to disable the receiver power saver. Also, switching **Q1041 (UMD5N)** to disable the receiver circuits. Then causing the red side of **BUSY/TX** lamp **D1016 (CL-165HR/YG-D-T)** to light.

Circuit Description

2-2. Modulation

The speech input from the built-in microphone **MC1001 (CZ034DP363)** or external jack J1001 is pre-emphasized by C1014 and R1021, and processed by microphone amplifier **Q1007 (NJM12902V)**, IDC (instantaneous deviation control) circuit to prevent over-modulation, and active low-pass filter.

2-3. Transmission

Modulating audio passes through deviation setting D/A converter **Q1018** to MOD of the VCO. This signal is applied to diode **D1021 (HSC277)** in the tank circuit of VCO **Q1020 (2SC5231C8)**, which oscillates at the desired transmitting frequency. The modulated VCO signal is buffered by amplifier **Q1021 (2SC5555)** and delivered through T/R diode switch **D1024**. The modulated low-level transmit signal from the VCO is applied to amplifier **Q1030 (2SC5226-5)**. The modulated transmit signal from the VCO is amplified by **Q1033 (RD01MUS1)** and RF power amplifier **Q1039 (RD09MUP2)** up to 6 W. The RF output passes through TX diode switch **D1040**. RF output is passed by T/R switch and low-pass filter to suppress harmonics and spurious products before output to the antenna at the antenna terminal.

3. PLL Frequency Synthesizer

PLL IC **Q1019** consists of a data shift register, reference frequency divider, phase comparator, charge pump, intermittent operation circuit, and band selector switch. Serial PLL data from the microprocessor **Q1017** is converted into parallel data by the shift register in the PLL IC **Q1019** and is latched into the comparative frequency divider and reference frequency divider to set a frequency dividing ratio for each. An 11.7 MHz reference signal produced by X1001 is input to REF pin 1 of the PLL IC **Q1019**. The internal reference frequency divider divides the 11.7 MHz reference by 2,340 (or 1,872) to obtain a reference frequency of 5 kHz (or 6.25 kHz), which is applied to the phase comparator. Meanwhile, a sample of the output of VCO **Q1021** is input to the PLL IC **Q1019**, where it is frequency-divided by the internal comparative frequency divider to produce a comparative frequency also applied to the phase comparator. The phase comparator compares the phase between the reference frequency and comparative frequency to output a pulse corresponding to the phase difference between them. This pulse is input to the charge pump **Q1023 (2SA1774)** and **Q1024 (2SC4617)**, and the output from the charge pump passes through a loop filter composed of coil L1005, resistors R1138, R1140, & R1143, and capacitors C1106, C1109, & C1112, which convert the pulse into a corresponding smoothed varactor control voltage (VCV). The VCV is applied to varactor **D1019** and **D1020** (both **HVC350B**) in the VCO tank circuit to eliminate phase difference between the reference frequency and comparative frequency, and so locking the VCO oscillation frequency to the reference crystal. The VCO frequency is determined by the frequency-dividing ratio sent from the microprocessor **Q1017** to the PLL IC **Q1019**. During receiver power save operation, the PLL circuit operates intermittently to reduce current consumption, for which the intermittent operation control circuit reduces the lock-up time.

The **HX751** has been carefully aligned at the factory for the specified performance across the land mobile band.

Realignment should therefore not be necessary except in the event of a component failure.

All component replacement and service should be performed only by an authorized STANDARD HORIZON representative, or the warranty policy may be voided.

The following procedures cover the sometimes critical and tedious adjustments that are not normally required once the transceiver has left the factory. However, if damage occurs and some parts are replaced, realignment may be required. If a sudden problem occurs during normal operation, it is likely due to component failure; realignment should not be done until after the faulty component has been replaced.

We recommend that servicing be performed only by authorized STANDARD HORIZON service technicians who are experienced with the circuitry and fully equipped for repair and alignment. Therefore, if a fault is suspected, contact the dealer from whom the transceiver was purchased for instructions regarding repair. Authorized STANDARD HORIZON service technicians realign all circuits and make complete performance checks to ensure compliance with factory specifications after replacing any faulty components. Those who do undertake any of the following alignments are cautioned to proceed at their own risk.

Problems caused by unauthorized attempts at realignment are not covered by the warranty policy. Also, STANDARD HORIZON must reserve the right to change circuits and alignment procedures in the interest of improved performance, without notifying owners. Under no circumstances should any alignment be attempted unless the normal function and operation of the transceiver are clearly understood, the cause of the malfunction has been clearly pinpointed and any faulty components replaced, and the need for realignment determined to be absolutely necessary. The following test equipment (and thorough familiarity with its correct use) is necessary for complete realignment. Correction of problems caused by misalignment resulting from use of improper test equipment is not covered under the warranty policy. While most steps do not require all of the equipment listed, the interactions of some adjustments may require that more complex adjustments be performed afterwards. Do not attempt to perform only a single step unless it is clearly isolated electrically from all other steps. Have all test equipment ready before beginning, and follow all of the steps in a section in the order presented.

Required Test Equipment

- ☐ RF Signal Generator with calibrated output level at 200 MHz
- ☐ Frequency Counter: >0.1 ppm accuracy at 200 MHz
- ☐ AF Signal Generator
- ☐ Deviation Meter (linear detector)
- ☐ VHF Sampling Coupler
- ☐ Inline Wattmeter with 5% accuracy at 200 MHz
- ☐ 50-ohm Non-reactive Dummy Load: 10W at 200 MHz
- ☐ 7.4 VDC, 2A Regulated DC Power Supply
- ☐ Standard Horizon HX751 Alignment Jig.

Alignment Preparation & Precautions

A dummy load and inline wattmeter must be connected to the main antenna jack in all procedures that call for transmission, except where specified otherwise. Correct alignment is not possible with an antenna. After completing one step, read the following step to determine whether the same test equipment will be required. If not, remove the test equipment (except dummy load and wattmeter, if connected) before proceeding.

Correct alignment requires that the ambient temperature be the same as that of the transceiver and test equipment, and that this temperature be held constant between 20 and 30 °C (68 ~ 86 °F). When the transceiver is brought into the shop from hot or cold air it should be allowed some time for thermal equalization with the environment before alignment. If possible, alignments should be made with oscillator shields and circuit boards firmly affixed in place. Also, the test equipment must be thoroughly warmed up before beginning.

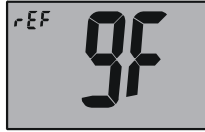
Note: Signal levels in dB referred to in this procedure are based on 0 dBμ = 0.5 μV(closed circuit).

Alignment

PLL Section

PLL Reference Frequency

- ❑ Connect the wattmeter, dummy load, and frequency counter to the antenna jack.
- ❑ Set the transceiver to CH16 (156.800 MHz) then turn the transceiver off.
- ❑ Press and hold in the **PTT**, **[SQL]**, **[▼]**, and **[▲]** keys while turn the transceiver on to enter the alignment mode.
- ❑ Press the **[▼]** or **[▲]** key to select the display to “**rEF xx**”.
- ❑ Press the **[CLR/WX]** key to enable adjustment of the PLL Reference Frequency.
- ❑ Press the **PTT** key to transmit the transceiver, if necessary, press the **[▼]** or **[▲]** key to adjust the frequency so the counter frequency is 156.800 MHz (± 100 Hz).
- ❑ Press the **[CLR/WX]** key to save the new setting.
- ❑ Press and hold the **[POWER(⏻)]** key for 2 seconds to turn the transceiver off.



NOTICE!

Do not touch the “**AtFSk xx**”, “**FSk0 xx**”, “**FSk1 xx**”, “**FSk2 xx**”, and “**oFSk xx**” parameters.

Receiver Section

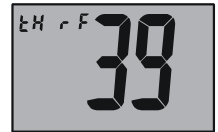
RF Squelch Hysteresis Adjustment

- ❑ Press and hold in the **PTT**, **[SQL]**, **[▼]**, and **[▲]** keys while turn the transceiver on to enter the alignment mode.
- ❑ Press the **[▼]** or **[▲]** key to select the display to “**HS rF xx**”.
- ❑ Press the **[CLR/WX]** key to enable adjustment of the RF Squelch Hysteresis level.
- ❑ Press the **[▼]** or **[▲]** key to set the display to “**HS rF 02**”.
- ❑ Press the **[CLR/WX]** key again to save the new setting.



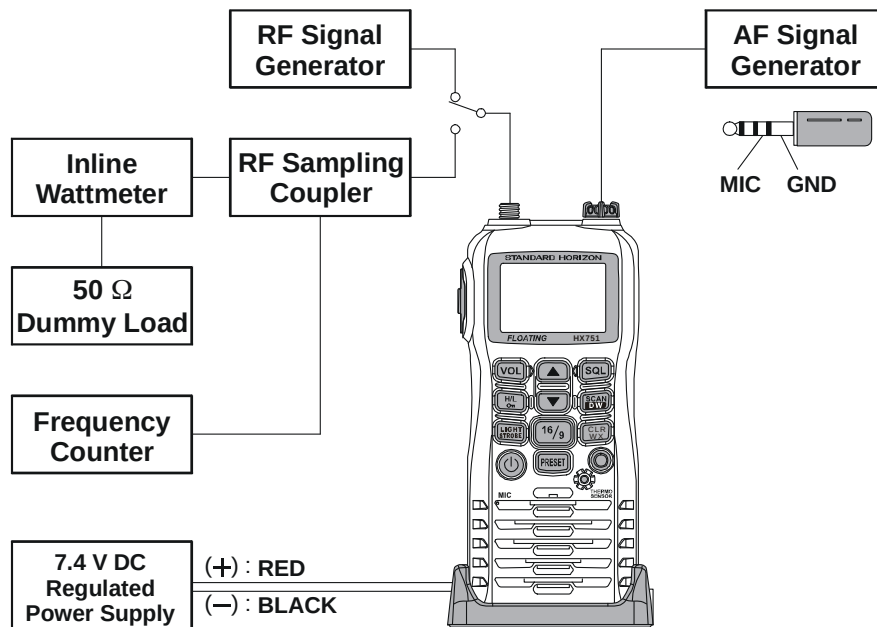
RF Squelch Threshold Adjustment

- ❑ Adjust the RF Signal Generator output level -10 dB μ V (with a standard FM modulation: ± 3.0 kHz deviation @ 1 kHz) at 156.800 MHz.
- ❑ Press the **[▼]** or **[▲]** key to select the display to “**tH rF xx**”.
- ❑ Press the **[CLR/WX]** key to read the RF Squelch Threshold data.
- ❑ Press the **[CLR/WX]** key again to save the new setting.



RF Squelch Tight Adjustment

- ❑ Adjust the RF Signal Generator output level 0 dB μ V (with a standard FM modulation: ± 3.0 kHz deviation @ 1 kHz) at 156.800 MHz.
- ❑ Press the **[▼]** or **[▲]** key to select the display to “**ti rF xx**”.
- ❑ Press the **[CLR/WX]** key to read the RF Squelch Tight data.
- ❑ Press the **[CLR/WX]** key again to save the new setting.



Noise Squelch Hysteresis Adjustment

- ❑ Press the [▼] or [▲] key to select the display to “HS n xx”.
- ❑ Press the [CLR/WX] key to enable adjustment of the Noise Squelch Hysteresis level.
- ❑ Press the [▼] or [▲] key to set the display to “HS n 00”.
- ❑ Press the [CLR/WX] key again to save the new setting.



Noise Squelch Threshold Adjustment

- ❑ Adjust the RF Signal Generator output level -12 dBμV (with a standard FM modulation: ±3.0 kHz deviation @ 1 kHz) at 156.800 MHz.
- ❑ Press the [▼] or [▲] key to select the display to “tH n xx”.
- ❑ Press the [CLR/WX] key to read the Noise Squelch Threshold data.
- ❑ Press the [CLR/WX] key again to save the new setting.



Noise Squelch Tight Adjustment

- ❑ Adjust the RF Signal Generator output level -2 dBμV (with a standard FM modulation: ±3.0 kHz deviation @ 1 kHz) at 156.800 MHz.
- ❑ Press the [▼] or [▲] key to select the display to “ti n xx”.
- ❑ Press the [CLR/WX] key to read the Noise Squelch Tight data.
- ❑ Press the [CLR/WX] key again to save the new setting.
- ❑ Press and hold the [POWER(⏻)] key for 2 seconds to turn the transceiver off.



Transmitter Section

TX Power Adjustment (Normal Power)

- ❑ Connect the wattmeter and dummy load to the antenna jack.
- ❑ Set the transceiver to CH16 (156.800 MHz) with “Normal” power mode, then turn the transceiver off. Press and hold in the PTT, [SQL], [▼], and [▲] keys while turn the transceiver on to enter the alignment mode.
- ❑ Press the [▼] or [▲] key to select the display to “U Po xx”.
- ❑ Press the [CLR/WX] key to enable adjustment of this Alignment Mode.
- ❑ Press the PTT key to transmit the transceiver, if necessary, press the [▼] or [▲] key to adjust the output power to 6.0 W (±0.3 W).
- ❑ Press the [CLR/WX] key to save the new setting.
- ❑ Press and hold the [POWER(⏻)] key for 2 seconds to turn the transceiver off.



TX Power Adjustment (Hi Power)

- ❑ Connect the wattmeter and dummy load to the antenna jack.
- ❑ Set the transceiver to CH16 (156.800 MHz) with “High” power mode, then turn the transceiver off.
- ❑ Press and hold in the PTT, [SQL], [▼], and [▲] keys while turn the transceiver on to enter the alignment mode.
- ❑ Press the [▼] or [▲] key to select the display to “H Po xx”.
- ❑ Press the [CLR/WX] key to enable adjustment of this Alignment Mode.
- ❑ Press the PTT key to transmit the transceiver, if necessary, press the [▼] or [▲] key to adjust the output power to 5.0 W (±0.1 W).
- ❑ Press the [CLR/WX] key to save the new setting.
- ❑ Press and hold the [POWER(⏻)] key for 2 seconds to turn the transceiver off.



TX Power Adjustment (Medium Power)

- ❑ Connect the wattmeter and dummy load to the antenna jack.
- ❑ Set the transceiver to CH16 (156.800 MHz) with “Medium” power mode, then turn the transceiver off. Press and hold in the PTT, [SQL], [▼], and [▲] keys while turn the transceiver on to enter the alignment mode.
- ❑ Press the [▼] or [▲] key to select the display to “n Po xx”.
- ❑ Press the [CLR/WX] key to enable adjustment of this Alignment Mode.
- ❑ Press the PTT key to transmit the transceiver, if necessary, press the [▼] or [▲] key to adjust the output power to 2.5 W (±0.1 W).
- ❑ Press the [CLR/WX] key to save the new setting.
- ❑ Press and hold the [POWER(⏻)] key for 2 seconds to turn the transceiver off.



Alignment

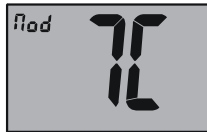
TX Power Adjustment (Low Power)

- ☐ Connect the wattmeter and dummy load to the antenna jack.
- ☐ Set the transceiver to CH16 (156.800 MHz) with “Low” power mode, then turn the transceiver off.
- ☐ Press and hold in the **PTT**, [**SQL**], [**▼**], and [**▲**] keys while turn the transceiver on to enter the alignment mode.
- ☐ Press the [**▼**] or [**▲**] key to select the display to “**L Po xx**”
- ☐ Press the [**CLR/WX**] key to enable adjustment of this Alignment Mode.
- ☐ Press the **PTT** key to transmit the transceiver, if necessary, press the [**▼**] or [**▲**] key to adjust the output power to 0.8 W (± 0.05 W).
- ☐ Press the [**CLR/WX**] key to save the new setting.
- ☐ Press and hold the [**POWER**(⏻)] key for 2 seconds to turn the transceiver off.



Tx Deviation Adjustment

- ☐ Connect the Radio Tester to the Mic jack, then adjust the Audio generator output to 50 mVrms at 1 kHz.
- ☐ Set the transceiver to CH16 (156.800 MHz) with “Low” power mode, then turn the transceiver off.
- ☐ Press and hold in the **PTT**, [**SQL**], [**▼**], and [**▲**] keys while turn the transceiver on to enter the alignment mode.
- ☐ Press the [**▼**] or [**▲**] key to select the display to “**nod xx**”.
- ☐ Press the [**CLR/WX**] key to enable adjustment of this Alignment Mode.
- ☐ Press the **PTT** key to transmit the transceiver, if necessary, press the [**▼**] or [**▲**] key to adjust the deviation to 4.2 kHz (± 0.1 kHz).
- ☐ Press the [**CLR/WX**] key to save the new setting.
- ☐ Press and hold the [**POWER**(⏻)] key for 2 seconds to turn the transceiver off.



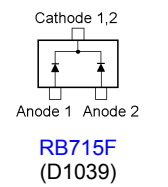
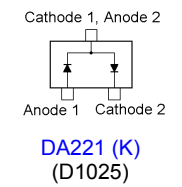
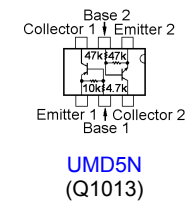
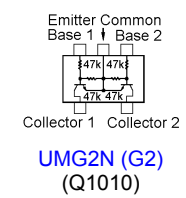
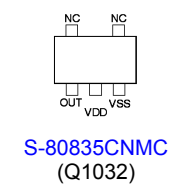
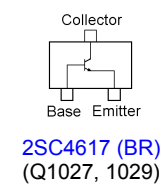
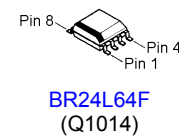
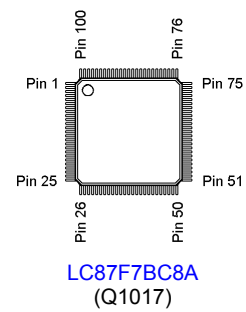
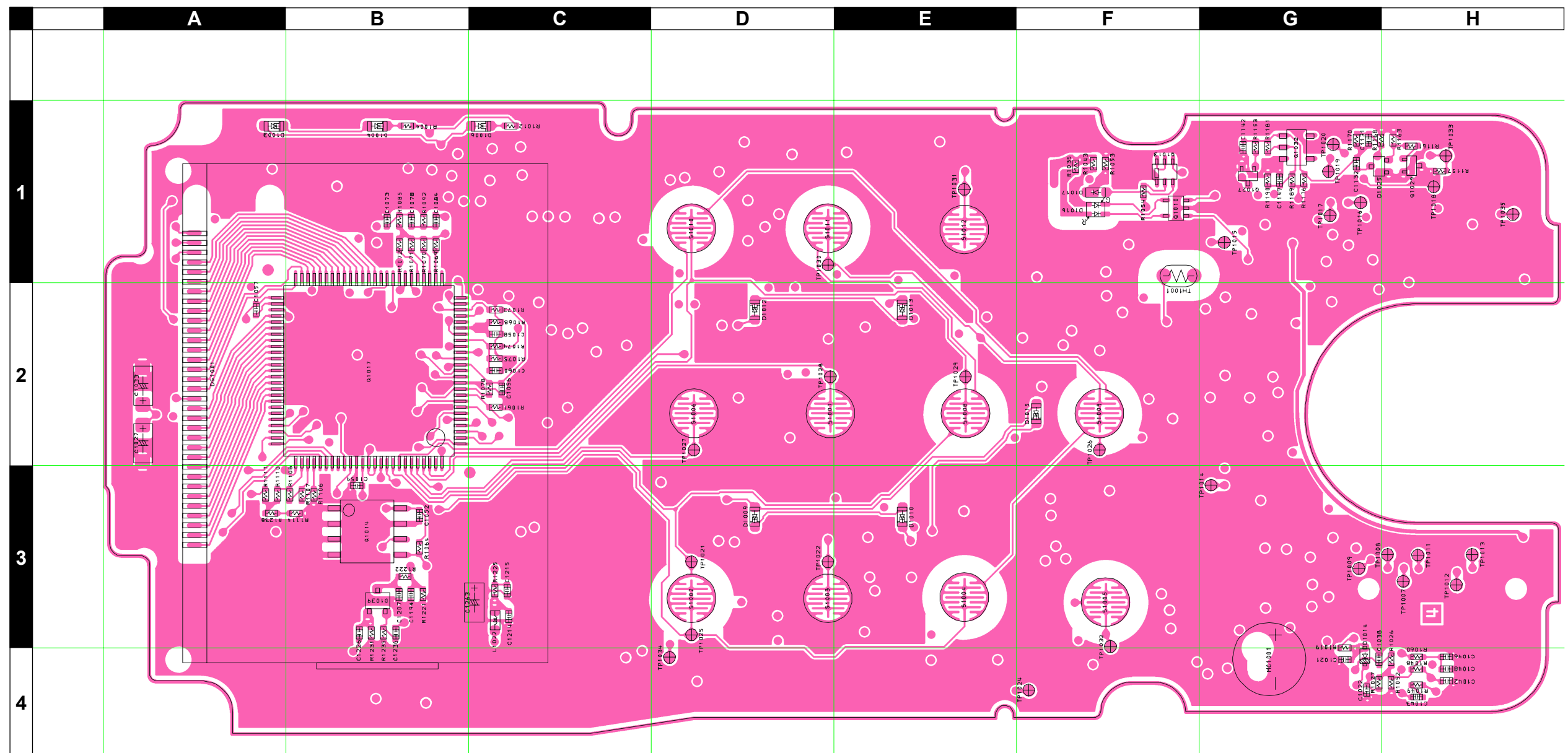
The Alignment is now completely.

Circuit Diagram



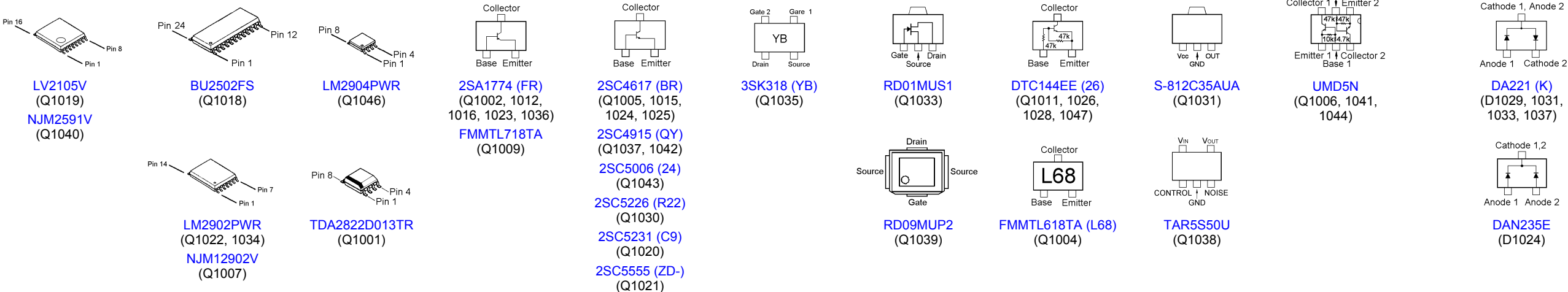
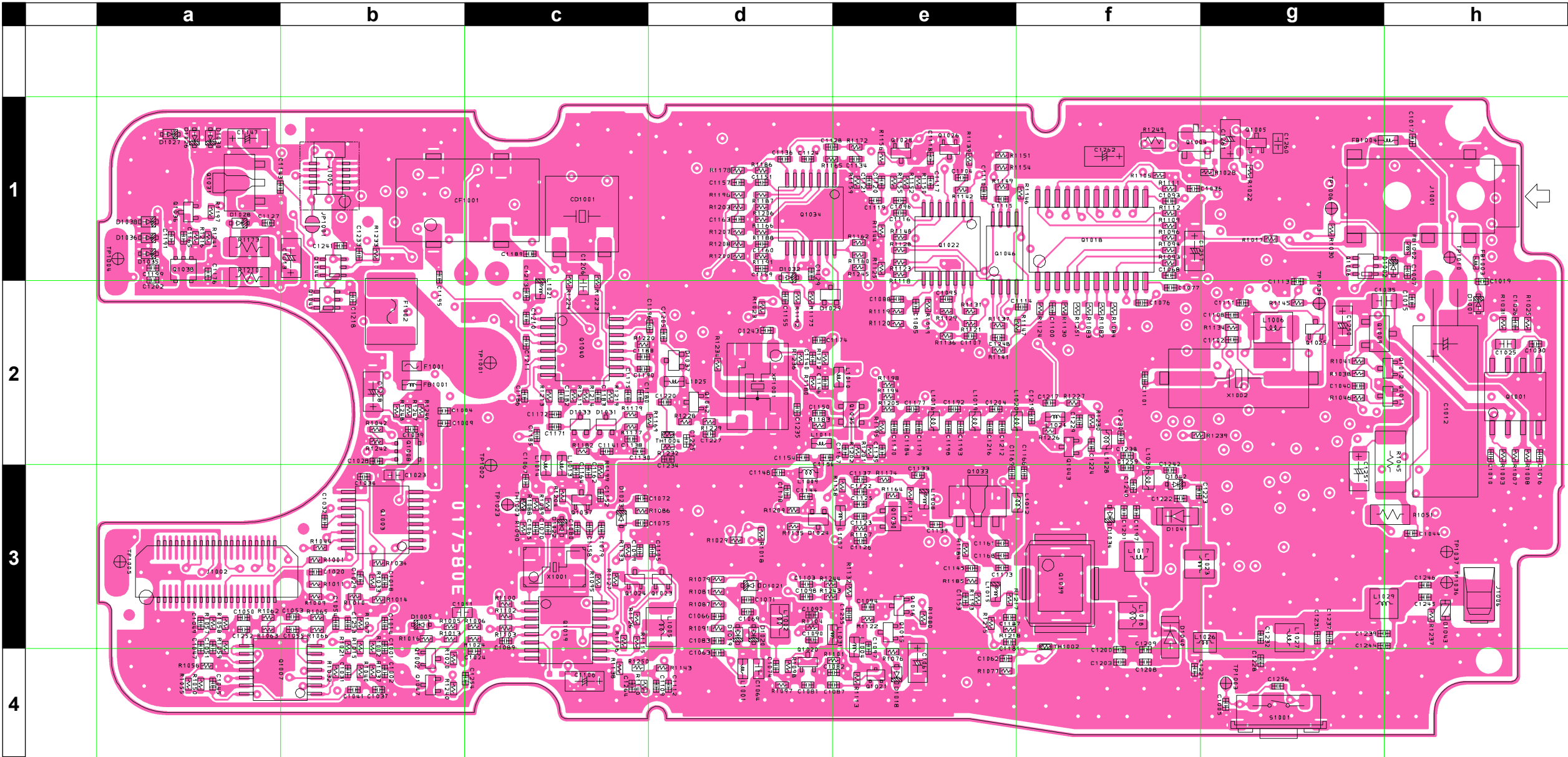
MAIN Unit

Note



MAIN Unit

Parts Layout (Side B)



REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
PCB with Components						CS1990415 CS1990416 CS1990417 CS1990418 CS1990419	DST:USA DST:EXP DST:AUS DST:EU DST:UK			
Printed Circuit Board		AM032N000				FR017580F		1-		
C 1001	CHIP CAP.	0.033uF	10V	B	GRM155B11A333KA01D	K22108803		1-	B	b4
C 1002	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b4
C 1004	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b2
C 1005	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	g4
C 1007	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	h1
C 1009	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	b2
C 1010	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	h2
C 1011	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	B	b3
C 1012	AL.ELECTRO.CAP.	220uF	10V		ESMG100ELL221ME11S	K40109027		1-	B	h2
C 1013	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	B	a1
C 1014	CHIP CAP.	0.0047uF	50V	B	GRM155B11H472KA01D	K22178838		1-	B	b3
C 1015	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	h2
C 1016	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	h2
C 1017	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-	B	h1
C 1019	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	h2
C 1021	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G4
C 1022	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G4
C 1024	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b4
C 1025	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	B	h2
C 1026	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	h2
C 1027	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	A	A2
C 1030	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	h2
C 1031	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	b4
C 1033	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	A	A2
C 1036	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	f1
C 1037	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	b4
C 1038	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	H4
C 1040	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	g2
C 1041	CHIP CAP.	0.068uF	16V	B	GRM155B31C683KA87D	K22128815		1-	B	b4
C 1042	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	H4
C 1043	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	A	H4
C 1044	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	h3
C 1045	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	a4
C 1046	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	H4
C 1047	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a4
C 1048	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	H4
C 1049	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		1-	B	a3
C 1050	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	a3
C 1051	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	B	a4
C 1052	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B3
C 1053	CHIP CAP.	0.0033uF	50V	B	GRM155B11H332KA01D	K22178815		1-	B	a3
C 1054	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807		1-	B	b3
C 1055	CHIP CAP.	0.0022uF	50V	B	GRM155B11H222KA01D	K22178813		1-	B	a3
C 1056	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	A	C2
C 1057	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	A2
C 1058	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 1059	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B3
C 1060	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	C2
C 1061	CHIP TA.CAP.	47uF	6.3V		TEESVA0J476M8R	K78080085		1-	B	e4
C 1062	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e4
C 1064	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-	B	d4
C 1066	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1067	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1068	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f1
C 1069	CHIP CAP.	2pF	50V	CK	GRM1554C1H2R0CZ01D	K22178204		1-	B	d3
C 1070	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-	B	c3
C 1071	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		1-	B	d3
C 1072	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	c3
C 1073	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B1
C 1074	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	d4
C 1075	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	c3
C 1076	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f2
C 1077	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f2
C 1078	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	A	B1
C 1079	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	c3
C 1080	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	c3
C 1081	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	d4

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1082	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	d4
C 1083	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	d3
C 1084	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	B1
C 1085	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e2
C 1087	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		1-	B	d4
C 1088	CHIP CAP.	470pF	50V	B	GRM155B11H471KA01D	K22178805		1-	B	e2
C 1089	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c3
C 1090	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1092	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	d3
C 1093	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	f1
C 1094	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1095	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e2
C 1096	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 1097	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e4
C 1098	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	d3
C 1099	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	c3
C 1100	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	f2
C 1101	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	f2
C 1103	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	d3
C 1104	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e1
C 1106	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	B	c4
C 1107	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e2
C 1109	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805	W/ CE LABEL	1-	B	c4
C 1109	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802	W/O CE LABEL	1-	B	c4
C 1110	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 1111	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	g2
C 1112	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d4
C 1113	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	g2
C 1114	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e2
C 1115	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e1
C 1116	CHIP CAP.	220pF	50V	B	GRM155B11H221KA01D	K22178801		1-	B	e1
C 1117	CHIP CAP.	0.022uF	16V	B	GRM155B11C223KA01D	K22128806		1-	B	e1
C 1118	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e1
C 1120	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	e1
C 1121	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801		1-	B	e1
C 1122	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1123	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e3
C 1124	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d1
C 1125	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1126	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1127	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a1
C 1128	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d1
C 1129	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	d1
C 1130	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1131	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G1
C 1132	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	A	G1
C 1133	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1134	CHIP CAP.	0.003uF	50V	B	GRM155B11H332KA01D	K22178815		1-	B	e1
C 1135	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e2
C 1136	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 1137	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1138	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 1139	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e3
C 1140	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 1141	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1142	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	G1
C 1143	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a1
C 1144	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236	W/ CE LABEL	1-	B	d3
C 1144	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212	W/O CE LABEL	1-	B	d3
C 1145	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1146	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	d2
C 1147	CHIP TA.CAP.	47uF	6.3V		TEESVAQJ476M8R	K78080085		1-	B	a1
C 1148	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	d3
C 1149	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	G1
C 1150	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1151	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 1152	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1153	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1154	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	d2
C 1155	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 1156	CHIP CAP.	12pF	50V	CH	GRM1552C1H120JZ01D	K22178214		1-	B	d2
C 1157	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d1
C 1158	CHIP CAP.	47pF	50V	CH	GRM1552C1H470JZ01D	K22178228		1-	B	c3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1159	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		1-	B	d1
C 1160	CHIP CAP.	0.0082uF	16V	B	GRM155B11C822KA01D	K22128801		1-	B	d1
C 1161	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	e3
C 1162	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c3
C 1163	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	d1
C 1164	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	c3
C 1165	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	a1
C 1166	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1167	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d2
C 1168	CHIP CAP.	56pF	50V	CH	GRM1552C1H560JD01D	K22178230		1-	B	e3
C 1169	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	e3
C 1171	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 1172	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	c2
C 1173	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	e3
C 1174	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	d2
C 1175	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 1176	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	a1
C 1177	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205	W/ CE LABEL	1-	B	e2
C 1177	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207	W/O CE LABEL	1-	B	e2
C 1178	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	d3
C 1180	CHIP CAP.	0.015uF	16V	B	GRM155B11C153KA01D	K22128807	W/ CE LABEL	1-	B	c2
C 1180	CHIP CAP.	0.047uF	10V	B	GRM155B11A473KA01D	K22108801	W/O CE LABEL	1-	B	c2
C 1181	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1182	CHIP CAP.	100pF	50V	CH	GRM1552C1H101JD01D	K22178236		1-	B	c2
C 1183	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1184	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e2
C 1185	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	c2
C 1186	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 1187	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	e3
C 1188	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c2
C 1189	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	c1
C 1190	CHIP CAP.	120pF	50V	CH	GRM1552C1H121JA01D	K22178238		1-	B	c2
C 1191	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	a1
C 1192	CHIP CAP.	1.5pF	50V	CK	GRM1554C1H1R5CZ01D	K22178203		1-	B	e2
C 1193	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		1-	B	e2
C 1194	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B3
C 1195	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b1
C 1196	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1197	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1198	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e2
C 1199	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	a1
C 1200	CHIP CAP.	39pF	50V	CH	GRM1552C1H390JZ01D	K22178226		1-	B	f4
C 1201	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	f3
C 1202	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	a2
C 1203	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	f4
C 1204	CHIP CAP.	1pF	50V	CK	GRM1554C1H1R0CZ01D	K22178202		1-	B	e2
C 1205	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	d2
C 1206	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803		1-	B	c2
C 1207	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	A	B3
C 1208	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	f4
C 1209	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	f4
C 1210	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1211	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	c2
C 1212	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0DZ01D	K22178208		1-	B	e2
C 1213	CHIP CAP.	82pF	50V	CH	GRM1552C1H820JD01D	K22178234		1-	B	c2
C 1214	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1215	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	A	C3
C 1217	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1218	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	b2
C 1219	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207		1-	B	f2
C 1220	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	d2
C 1222	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216		1-	B	f3
C 1223	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f3
C 1224	CHIP CAP.	3pF	50V	CJ	GRP1553C1H3R0CZ01E	K22178205	W/ CE LABEL	1-	B	f2
C 1224	CHIP CAP.	5pF	50V	CH	GRM1552C1H5R0CZ01D	K22178207	W/O CE LABEL	1-	B	f2
C 1225	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 1226	CHIP CAP.	0.5pF	50V	CK	GRP1554C1HR50CZ01E	K22178201		1-	A	B3
C 1227	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210	W/O CE LABEL	1-	B	d2
C 1228	CHIP CAP.	22pF	50V	CH	GRM1552C1H220JZ01D	K22178220		1-	B	g4
C 1229	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	f2
C 1232	CHIP CAP.	4pF	50V	CH	GRM1552C1H4R0CZ01D	K22178206		1-	B	g3
C 1234	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	d2
C 1235	CHIP CAP.	8pF	50V	CH	GRM1552C1H8R0DZ01D	K22178210	W/ CE LABEL	1-	B	d2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
C 1236	CHIP CAP.	0.5pF	50V	CK	GRP1554C1HR50CZ01E	K22178201		1-	A	B3
C 1237	CHIP CAP.	27pF	50V	CH	GRM1552C1H270JZ01D	K22178222		1-	B	g3
C 1238	CHIP CAP.	6pF	50V	CH	GRM1552C1H6R0DZ01D	K22178208	W/ CE LABEL	1-	B	f2
C 1238	CHIP CAP.	7pF	50V	CH	GRM1552C1H7R0DZ01D	K22178209	W/O CE LABEL	1-	B	f2
C 1241	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	b1
C 1242	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212	W/ CE LABEL	1-	B	f3
C 1242	CHIP CAP.	15pF	50V	CH	GRM1552C1H150JZ01D	K22178216	W/O CE LABEL	1-	B	f3
C 1243	CHIP CAP.	0.5pF	50V	CK	GRP1554C1HR50CZ01E	K22178201	W/O CE LABEL	1-	B	d2
C 1244	CHIP CAP.	18pF	50V	CH	GRM1552C1H180JZ01D	K22178218		1-	B	g3
C 1245	CHIP CAP.	0.01uF	25V	B	GRM155B11E103KA01D	K22148834		1-	B	h3
C 1246	CHIP CAP.	0.001uF	50V	B	GRM155B11H102KA01D	K22178809		1-	B	h3
C 1248	CHIP CAP.	1uF	6.3V	B	GRM155B30J105KE18D	K22088803		1-	B	e2
C 1251	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	B	g3
C 1254	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802		1-	B	b4
C 1255	CHIP CAP.	10pF	50V	CH	GRM1552C1H100JZ01D	K22178212		1-	B	e3
C 1260	CHIP CAP.	4.7uF	6.3V	B	JMK107BJ475MA-T	K22084803	W/ CE LABEL	1-	B	g1
C 1261	CHIP TA.CAP.	22uF	6.3V		TEESVA0J226M8R	K78080047		1-	B	g1
C 1262	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-	B	f1
C 1263	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077	W/ CE LABEL	1-	A	C3
C 1264	CHIP CAP.	0.1uF	10V	B	GRM155B11A104KA01D	K22108802	W/ CE LABEL	1-	B	c4
CD1001	CERAMIC DISC				JTBM450CX24	H7901530		1-	B	c1
CF1001	CERAMIC FILTER				LTWC450F	H3900563		1-	B	b1
D 1001	DIODE				EDZ TE-61 5.1B	G2070998		1-	B	h2
D 1002	DIODE				EDZ TE-61 5.1B	G2070998		1-	B	g1
D 1003	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	A1
D 1004	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	B1
D 1005	DIODE				1SS400 TE61	G2070634		1-	B	b3
D 1006	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	C1
D 1009	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	D3
D 1010	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	E3
D 1012	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	D2
D 1013	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	E2
D 1014	DIODE				1SS400 TE61	G2070634		1-	A	G4
D 1015	LED				19-213/S2C-AN1P2B/3T	G2071096		1-	A	F2
D 1016	LED				CL-165HR/YG-D-T	G2070860		1-	A	F1
D 1017	LED				WH104S(TAPE)	G2071174		1-	A	F1
D 1017	LED				SML312WBCW	G2071288		21-	A	F1
D 1018	DIODE				1SS400 TE61	G2070634		1-	B	e4
D 1019	DIODE				HVC358B TRF-E	G2070590	W/ CE LABEL	1-	B	d3
D 1019	DIODE				HVC350B-TRF-E	G2070596	W/O CE LABEL	1-	B	d3
D 1020	DIODE				HVC358B TRF-E	G2070590	W/ CE LABEL	1-	B	d3
D 1020	DIODE				HVC350B-TRF-E	G2070596	W/O CE LABEL	1-	B	d3
D 1021	DIODE				HSC277TRF-E	G2070584		1-	B	d3
D 1022	DIODE				1SV325(TPH3.F)	G2070848		1-	B	c3
D 1023	DIODE				1SS400 TE61	G2070634		1-	B	c3
D 1024	DIODE				DAN235E TL	G2070612		1-	B	d3
D 1025	DIODE				DA221 TL	G2070178		1-	A	H1
D 1028	DIODE				1SS400 TE61	G2070634		1-	B	a1
D 1029	DIODE				DA221 TL	G2070178		1-	B	d2
D 1031	DIODE				DA221 TL	G2070178		1-	B	c2
D 1032	DIODE				1SS400 TE61	G2070634		1-	B	d1
D 1033	DIODE				DA221 TL	G2070178		1-	B	c2
D 1034	DIODE				1SS400 TE61	G2070634		1-	B	f3
D 1037	DIODE				DA221 TL	G2070178		1-	B	d2
D 1039	DIODE				RB715F T106	G2070752		1-	A	B3
D 1040	DIODE				RLS135 TE-11	G2070128		1-	B	f3
D 1041	DIODE				RLS135 TE-11	G2070128		1-	B	f3
D 1042	DIODE				1SS400 TE61	G2070634		1-	B	f3
D 1043	SURGE ABSORBER				EZAEG3A50AV	Q9000867		1-	B	h3
DS1001	LCD				AM032N(HX751L/EL)	G6090200		1-	A	B2
F 1001	CHIP FUSE	3.15A			FHC16 322ADTP	Q0000118		1-	B	b2
FB1001	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	b2
FB1002	FERRITE BEADS				BLM15BD102SN1D	L9190133		1-	B	h1
FB1003	FERRITE BEADS				BLM15BD102SN1D	L9190133		1-	B	h1
FB1004	FERRITE BEADS				BLM18PG330SN1D	L9190141		1-	B	g1
J 1001	CONNECTOR				MJC-046-C1-3.5-T	P1091309		1-	B	h1
J 1005	CONNECTOR				AXK6F10345YP	P0091378		1-	B	b1
J 1006	SHIELD FINGER				3525 3100103	S5000226		1-	B	h3
L 1001	M.RFC	4.7uH			LK1608 4R7K-T	L1690688		1-	B	d4
L 1002	COIL				E2 0.3-0.9-7T-R	L0022371		1-	B	d3
L 1004	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	B	e3
L 1005	M.RFC	470uH			LLM3225-471J	L1691153		1-	B	c3
L 1006	M.RFC	22uH			LLM3225-220J	L1691137		1-	B	g2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
L 1007	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	B	d3
L 1008	M.RFC	0.068uH			HK1608 68NJ-T	L1690526		1-	B	e3
L 1009	M.RFC	0.056uH		2%	C1608CB-56NG-RF	L1691041		1-	B	d3
L 1010	M.RFC	0.39uH			LK1608 R39K-T	L1690413		1-	B	d2
L 1011	M.RFC	0.22uH		2%	C1608CB-R22G-RF	L1691103	W/ CE LABEL	1-	B	d2
L 1011	M.RFC	0.33uH			LK1608 R33K-T	L1690412	W/O CE LABEL	1-	B	d2
L 1012	M.RFC	0.068uH		2%	C1608CB-68NG-RF	L1691042		1-	B	e3
L 1013	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	B	c3
L 1014	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	B	c3
L 1015	M.RFC	0.033uH			HK1608 33NJ-T	L1690522		1-	B	e3
L 1016	M.RFC	0.068uH		2%	C1608CB-68NG-RF	L1691042		1-	B	e2
L 1017	COIL				E2 0.25-1.9-6.5T-L	L0022401		1-	B	f3
L 1018	COIL				E2 0.4-1.5-4T-L	L0022475		1-	B	f3
L 1019	M.RFC	0.068uH		2%	C1608CB-68NG-RF	L1691042		1-	B	e2
L 1020	M.RFC	0.082uH		2%	C1608CB-82NG-RF	L1691044		1-	B	e2
L 1021	M.RFC	0.15uH			HK1608 R15J-T	L1690938		1-	B	c2
L 1022	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	A	C3
L 1023	COIL				E2 0.25-1.9-6.5T-L	L0022401		1-	B	f3
L 1024	M.RFC	0.47uH			LK1608 R47K-T	L1690414		1-	B	f2
L 1025	M.RFC	0.33uH			LK1608 R33K-T	L1690412		1-	B	d2
L 1026	COIL				E2 0.28-1.0-4.5T-R	L0022395		1-	B	f3
L 1027	COIL				E2 0.25-1.9-6.5T-L	L0022401		1-	B	g3
L 1028	M.RFC	0.068uH		2%	C1608CB-68NG-RF	L1691042		1-	B	f2
L 1029	COIL				E2 0.25-1.9-6.5T-L	L0022401		1-	B	g3
L 1030	M.RFC	0.056uH		2%	C1608CB-56NG-RF	L1691041		1-	B	f3
L 1031	M.RFC	4.7uH			LK1608 4R7K-T	L1690688		1-	B	d3
MC1001	MICROPHONE ELEMENT				CZ034HP363	M3290044		1-	A	G4
Q 1001	IC				TDA2822L-S08-R	G1094497		1-	B	h2
Q 1002	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	b4
Q 1004	TRANSISTOR				FMRTL618TA	G3070334		1-	B	f1
Q 1005	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	g1
Q 1006	TRANSISTOR				UMD5N TR	G3070343		1-	B	g1
Q 1007	IC				NJM12902V-TE1	G1093592		1-	B	a4
Q 1009	TRANSISTOR				FMRTL718TA	G3070335		1-	B	g2
Q 1010	TRANSISTOR				UMG2N TR	G3070088		1-	A	F1
Q 1011	TRANSISTOR				DTC144EE TL	G3070075		1-	B	g2
Q 1012	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	g2
Q 1013	TRANSISTOR				UMD5N TR	G3070343		1-	A	F1
Q 1014	IC				BR24L64F-WE2	G1093876		1-	A	B3
Q 1015	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	e3
Q 1016	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	e3
Q 1017	IC				LC87F7BC8A-F56G2-E			1-	A	B2
Q 1018	IC				BU2502FS-E2	G1094524		1-	B	f1
Q 1019	IC				LV2105V-TLM	G1093191		1-	B	c3
Q 1020	TRANSISTOR				2SC5231C8-TL	G3352318H		1-	B	d4
Q 1021	TRANSISTOR				2SC5555ZD-TR	G3355557		1-	B	e4
Q 1022	IC				LM2902PWR	G1094009		1-	B	e1
Q 1023	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	c3
Q 1024	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	c3
Q 1025	TRANSISTOR				2SC4617 TL R	G3346178R		1-	B	g2
Q 1026	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e1
Q 1027	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	G1
Q 1028	TRANSISTOR				DTC144EE TL	G3070075		1-	B	e1
Q 1029	TRANSISTOR				2SC4617 TL R	G3346178R		1-	A	H1
Q 1030	TRANSISTOR				2SC5226-5-TL	G3352268E		1-	B	e3
Q 1031	IC				S-812C35AUA-C2P-T2G	G1093672		1-	B	a1
Q 1032	IC				S-80835CNMC-B8U-T2-G	G1093606		1-	A	G1
Q 1033	FET				RD01MUS1-T113	G3070321		1-	B	e3
Q 1034	IC				LM2902PWR	G1094009		1-	B	d1
Q 1035	FET				3SK318 TL	G4803188		1-	B	e2
Q 1036	TRANSISTOR				2SA1774 TL R	G3117748R		1-	B	a1
Q 1037	TRANSISTOR				2SC4915-O(TE85L.F)	G3349158O		1-	B	c3
Q 1038	IC				TAR5S50U(TE85L.F)	G1094097		1-	B	a1
Q 1039	FET				RD09MUP2(TAPE)	G3070367		1-	B	f3
Q 1040	IC				NJM2591V-TE1	G1094024		1-	B	c2
Q 1041	TRANSISTOR				UMD5N TR	G3070343		1-	B	b2
Q 1042	TRANSISTOR				2SC4915-O(TE85L.F)	G3349158O		1-	B	d2
Q 1043	TRANSISTOR				2SC5006-T1	G3350068		1-	B	f2
Q 1044	TRANSISTOR				UMD5N TR	G3070343		1-	B	b1
Q 1046	IC				LM2904PWR	G1094010		1-	B	e1
Q 1047	TRANSISTOR				DTC144EE TL	G3070075		1-	B	b4
R 1002	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b4
R 1003	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	B	h2

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1004	CHIP RES.	39	1/16W	5%	RMC1/16S 390JTH	J24189008		1-	A	B1
R 1005	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b3
R 1006	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	b3
R 1007	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	h2
R 1008	CHIP RES.	4.7	1/16W	5%	RMC1/16S 4R7JTH	J24189066		1-	B	h2
R 1012	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	C1
R 1013	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b3
R 1015	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	b4
R 1016	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b3
R 1017	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	g1
R 1018	CHIP RES.	82	1/16W	5%	RMC1/16S 820JTH	J24189012		1-	B	d3
R 1019	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	G4
R 1020	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	b4
R 1021	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	b4
R 1022	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	g1
R 1023	CHIP RES.	82	1/16W	5%	RMC1/16S 820JTH	J24189012		1-	B	d2
R 1024	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	b3
R 1025	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	h2
R 1026	CHIP RES.	56k	1/16W	5%	RMC1/16S 563JTH	J24189046		1-	A	H4
R 1027	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	H4
R 1028	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	f1
R 1029	CHIP RES.	390	1/16W	5%	RMC1/16S 391JTH	J24189020		1-	B	d3
R 1030	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	g1
R 1031	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	h2
R 1032	CHIP RES.	330k	1/16W	5%	RMC1/16S 334JTH	J24189055		1-	B	b4
R 1035	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	F1
R 1037	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1038	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	g2
R 1040	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1041	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	g2
R 1043	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	A	F1
R 1045	CHIP RES.	2.2	1/2W	5%	RMC1/2 2R2JCTP	J24275229		1-	B	g2
R 1046	CHIP RES.	27k	1/16W	5%	RMC1/16S 273JTH	J24189042		1-	B	g2
R 1048	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	H4
R 1049	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	H4
R 1050	CHIP RES.	180k	1/16W	5%	RMC1/16S 184JTH	J24189052		1-	B	a4
R 1051	CHIP RES.	0	1/8W	5%	RMC1/8T 000J	J24215000		1-	B	g3
R 1052	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	A	H4
R 1053	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	A	F1
R 1054	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	F1
R 1055	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	a4
R 1056	CHIP RES.	5.6k	1/16W	5%	RMC1/16S 562JTH	J24189034		1-	B	a4
R 1057	CHIP RES.	6.8k	1/16W	0.5%	MCR01MZPD6801	J24189372		1-	B	a3
R 1058	CHIP RES.	2.2k	1/16W	0.5%	MCR01MZPD2201	J24189366		1-	B	a3
R 1059	CHIP RES.	4.7k	1/16W	0.5%	MCR01MZPD4701	J24189370		1-	B	a4
R 1060	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	H4
R 1061	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C2
R 1062	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a3
R 1063	CHIP RES.	12k	1/16W	0.5%	MCR01MZPD1202	J24189375		1-	B	a3
R 1064	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1065	CHIP RES.	2.2k	1/16W	0.5%	MCR01MZPD2201	J24189366		1-	B	b3
R 1066	CHIP RES.	4.7k	1/16W	0.5%	MCR01MZPD4701	J24189370		1-	B	b3
R 1067	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b3
R 1068	CHIP RES.	3.9k	1/16W	0.5%	MCR01MZPD3901	J24189369		1-	A	C2
R 1069	CHIP RES.	82k	1/16W	5%	RMC1/16S 823JTH	J24189048		1-	A	B1
R 1070	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	A	B1
R 1071	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B1
R 1072	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B1
R 1073	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	C2
R 1074	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	A	C2
R 1075	CHIP RES.	82k	1/16W	0.5%	MCR01MZPD8202	J24189385		1-	A	C2
R 1076	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e4
R 1077	CHIP RES.	4.7k	1/16W	0.5%	MCR01MZPD4701	J24189370		1-	B	e4
R 1078	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	C2
R 1079	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	d3
R 1080	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e3
R 1081	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d3
R 1082	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1083	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1084	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f2
R 1085	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	A	B1
R 1086	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1088	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1089	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	c3
R 1090	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	c3
R 1091	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d3
R 1092	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	B1
R 1093	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f1
R 1095	CHIP RES.	3.3k	1/16W	5%	RMC1/16S 332JTH	J24189031		1-	B	c3
R 1096	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f1
R 1097	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d4
R 1097	CHIP RES.	10k	1/16W	0.5%	RR0510P-103-D	J24189143		24-	B	d4
R 1098	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d4
R 1098	CHIP RES.	2.2k	1/16W	0.5%	RR0510P-222-D	J24189127		24-	B	d4
R 1099	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e2
R 1100	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c3
R 1101	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	d4
R 1102	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c3
R 1103	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c3
R 1104	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	d3
R 1105	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f1
R 1106	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1107	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1108	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1109	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	f1
R 1110	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	A3
R 1111	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	f1
R 1112	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	f1
R 1113	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045	W/ CE LABEL	1-	B	e4
R 1113	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041	W/O CE LABEL	1-	B	e4
R 1114	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	B3
R 1115	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1116	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1117	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	A	A3
R 1118	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1119	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e2
R 1120	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e2
R 1121	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e2
R 1122	CHIP RES.	330	1/16W	5%	RMC1/16S 331JTH	J24189019		1-	B	e3
R 1123	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1124	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	f2
R 1125	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 1126	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1127	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	c3
R 1128	CHIP RES.	47k	1/16W	0.5%	MCR01MZPD4702	J24189382		1-	B	e1
R 1129	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e2
R 1130	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	f2
R 1131	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e2
R 1132	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	e3
R 1133	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c3
R 1134	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	g2
R 1135	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d3
R 1136	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e2
R 1137	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	e2
R 1138	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	c4
R 1139	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	e1
R 1140	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025	W/ CE LABEL	1-	B	c4
R 1140	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028	W/O CE LABEL	1-	B	c4
R 1141	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e2
R 1142	CHIP RES.	330k	1/16W	0.5%	MCR01MZPD3303	J24189330		1-	B	e1
R 1143	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029	W/ CE LABEL	1-	B	c4
R 1143	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037	W/O CE LABEL	1-	B	c4
R 1144	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 1145	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	g2
R 1146	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1147	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e2
R 1148	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1150	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e1
R 1151	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 1152	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	e1
R 1153	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	G1
R 1154	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e1
R 1155	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e1
R 1156	CHIP RES.	4.7k	1/16W	5%	RMC1/16S 472JTH	J24189033		1-	B	e1
R 1157	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	A	H1
R 1158	CHIP RES.	180	1/16W	5%	RMC1/16S 181JTH	J24189016		1-	B	d3

MAIN Unit

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1159	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	e1
R 1160	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1161	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	A	H1
R 1162	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	e1
R 1163	CHIP RES.	390k	1/16W	5%	RMC1/16S 394JTH	J24189056		1-	A	H1
R 1164	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	e3
R 1165	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d1
R 1166	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d1
R 1167	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	B	e3
R 1168	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	H1
R 1169	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	c2
R 1170	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	G1
R 1171	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	e3
R 1172	CHIP RES.	18k	1/16W	5%	RMC1/16S 183JTH	J24189040		1-	B	e1
R 1173	CHIP RES.	0	1/8W	5%	RMC1/8T 000J	J24215000		1-	B	a1
R 1174	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	e3
R 1175	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	d2
R 1176	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	G1
R 1177	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c2
R 1178	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d1
R 1179	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	c2
R 1180	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	d2
R 1181	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	A	G1
R 1182	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c2
R 1183	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	d2
R 1184	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	e3
R 1185	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e3
R 1186	CHIP RES.	270k	1/16W	5%	RMC1/16S 274JTH	J24189054		1-	B	d1
R 1187	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d1
R 1188	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d1
R 1189	CHIP RES.	33k	1/16W	0.5%	MCR01MZPD3302	J24189380		1-	A	G1
R 1190	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	A	G1
R 1191	CHIP RES.	560k	1/16W	5%	RMC1/16S 564JTH	J24189058		1-	B	d1
R 1192	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	d2
R 1193	CHIP RES.	3.9k	1/16W	5%	RMC1/16S 392JTH	J24189032		1-	B	e3
R 1194	CHIP RES.	680k	1/16W	0.5%	MCR01MZPD6803	J24189390	W/ CE LABEL	1-	B	e2
R 1195	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	e2
R 1196	CHIP RES.	33k	1/16W	5%	RMC1/16S 333JTH	J24189043		1-	B	d1
R 1197	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	a1
R 1198	CHIP RES.	68k	1/16W	0.5%	MCR01MZPD6802	J24189384		1-	B	e2
R 1199	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013		1-	B	c3
R 1200	CHIP RES.	680	1/16W	5%	RMC1/16S 681JTH	J24189023		1-	B	d1
R 1201	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	e2
R 1202	CHIP RES.	100k	1/16W	0.5%	MCR01MZPD1003	J24189386		1-	B	e2
R 1203	CHIP RES.	15k	1/16W	5%	RMC1/16S 153JTH	J24189039		1-	B	d1
R 1204	CHIP RES.	1.5M	1/16W	5%	RMC1/16S 155JTH	J24189063		1-	B	c3
R 1205	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070		1-	B	e2
R 1206	CHIP RES.	68k	1/16W	5%	RMC1/16S 683JTH	J24189047		1-	B	d1
R 1207	CHIP RES.	39k	1/16W	5%	RMC1/16S 393JTH	J24189044		1-	B	d1
R 1208	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d1
R 1209	CHIP RES.	2.2k	1/16W	5%	RMC1/16S 222JTH	J24189029		1-	B	d3
R 1210	CHIP RES.	0	1/8W	5%	RMC1/8T 000J	J24215000		1-	B	a1
R 1211	CHIP RES.	6.8k	1/16W	5%	RMC1/16S 682JTH	J24189035		1-	B	c2
R 1212	CHIP RES.	47	1/16W	5%	RMC1/16S 470JTH	J24189009		1-	B	d2
R 1213	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	c2
R 1214	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025		1-	B	c2
R 1215	CHIP RES.	1.8k	1/16W	5%	RMC1/16S 182JTH	J24189028		1-	B	e3
R 1216	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	a1
R 1217	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030		1-	B	e3
R 1218	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	e3
R 1219	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027	W/ CE LABEL	1-	B	c2
R 1219	CHIP RES.	2.7k	1/16W	5%	RMC1/16S 272JTH	J24189030	W/O CE LABEL	1-	B	c2
R 1221	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	A	B3
R 1222	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	B3
R 1223	CHIP RES.	1.5k	1/16W	5%	RMC1/16S 152JTH	J24189027		1-	B	c2
R 1224	CHIP RES.	22	1/16W	5%	RMC1/16S 220JTH	J24189005		1-	B	c2
R 1225	CHIP RES.	220	1/16W	5%	RMC1/16S 221JTH	J24189017		1-	A	C3
R 1226	CHIP RES.	470	1/16W	5%	RMC1/16S 471JTH	J24189021		1-	B	f2
R 1227	CHIP RES.	150	1/16W	5%	RMC1/16S 151JTH	J24189015		1-	B	f2
R 1228	CHIP RES.	150k	1/16W	5%	RMC1/16S 154JTH	J24189051		1-	B	d2
R 1229	CHIP RES.	560	1/16W	5%	RMC1/16S 561JTH	J24189022		1-	B	d2
R 1230	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045	W/ CE LABEL	1-	B	f2
R 1230	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049	W/O CE LABEL	1-	B	f2

MAIN Unit

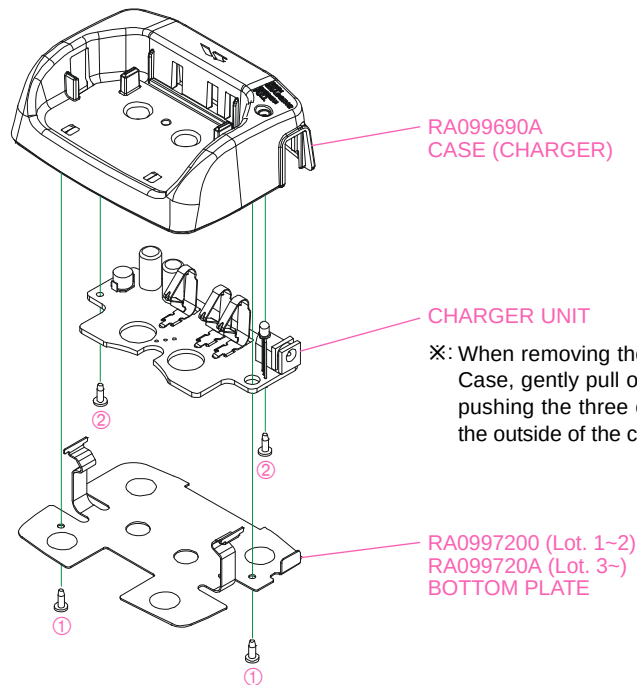
Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
R 1231	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1232	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	d2
R 1233	CHIP RES.	22k	1/16W	5%	RMC1/16S 223JTH	J24189041		1-	B	b1
R 1234	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	W/O CE LABEL	1-	B	d2
R 1235	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	A	B3
R 1236	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	W/ CE LABEL	1-	B	d2
R 1236	CHIP RES.	100	1/16W	5%	RMC1/16S 101JTH	J24189013	W/O CE LABEL	1-	B	d2
R 1237	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	B	h3
R 1238	CHIP RES.	47k	1/16W	5%	RMC1/16S 473JTH	J24189045		1-	A	A3
R 1239	CHIP RES.	1M	1/16W	5%	RMC1/16S 105JTH	J24189061		1-	B	f2
R 1240	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	b4
R 1241	CHIP RES.	100k	1/16W	5%	RMC1/16S 104JTH	J24189049		1-	B	a1
R 1243	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	d3
R 1244	CHIP RES.	18	1/16W	5%	RMC1/16S 180JTH	J24189004		1-	B	d3
R 1245	CHIP RES.	220k	1/16W	5%	RMC1/16S 224JTH	J24189053		1-	B	e1
R 1249	CHIP RES.	22	1/10W	5%	RMC1/10T 220J	J24205220		1-	B	f1
R 1250	CHIP RES.	1k	1/16W	5%	RMC1/16S 102JTH	J24189025	W/ CE LABEL	1-	B	c4
R 1250	CHIP RES.	0	1/16W	5%	RMC1/16S JPTH	J24189070	W/O CE LABEL	1-	B	c4
R 1251	CHIP RES.	10k	1/16W	5%	RMC1/16S 103JTH	J24189037		1-	B	f2
S 1001	TACT SWITCH				SKQTLA	N5090110		1-	B	g4
TH1001	THERMISTOR				NTSA0XH103EE1B0	G9090173		1-	A	F1
TH1002	THERMISTOR				TH05 4B473FR	G9090150		1-	B	f3
TH1003	THERMISTOR				TH05 4B473FR	G9090150		1-	B	c3
TH1004	THERMISTOR				ERTJ0ER103J	G9090119		1-	B	d2
X 1001	XTAL NX5032SA	11.7MHz			11.7MHZ	H0103320		1-	B	c3
X 1002	XTAL U3B	7.3728MHz			7.3728MHZ	H0103280		1-	B	g2
XF1001	XTAL FILTER				MFT47R 47.25MHZ	H1102352	W/ CE LABEL	1-	B	d2
XF1001	XTAL FILTER				7050M 47.25S13A	H1102436	W/O CE LABEL	1-	B	d2
	LIGHT GUIDE				(LCD)	RA1000100		1-		
	LIGHT GUIDE				(LCD)	RA100010A		24-		
	REFLECTOR SHEET				(LCD)	RA1000200		1-		
	INTER CONNECTOR				(LCD)	RA1000300		1-		
	MIC HOLDER RUBBER					RA1030600		1-		

MAIN Unit

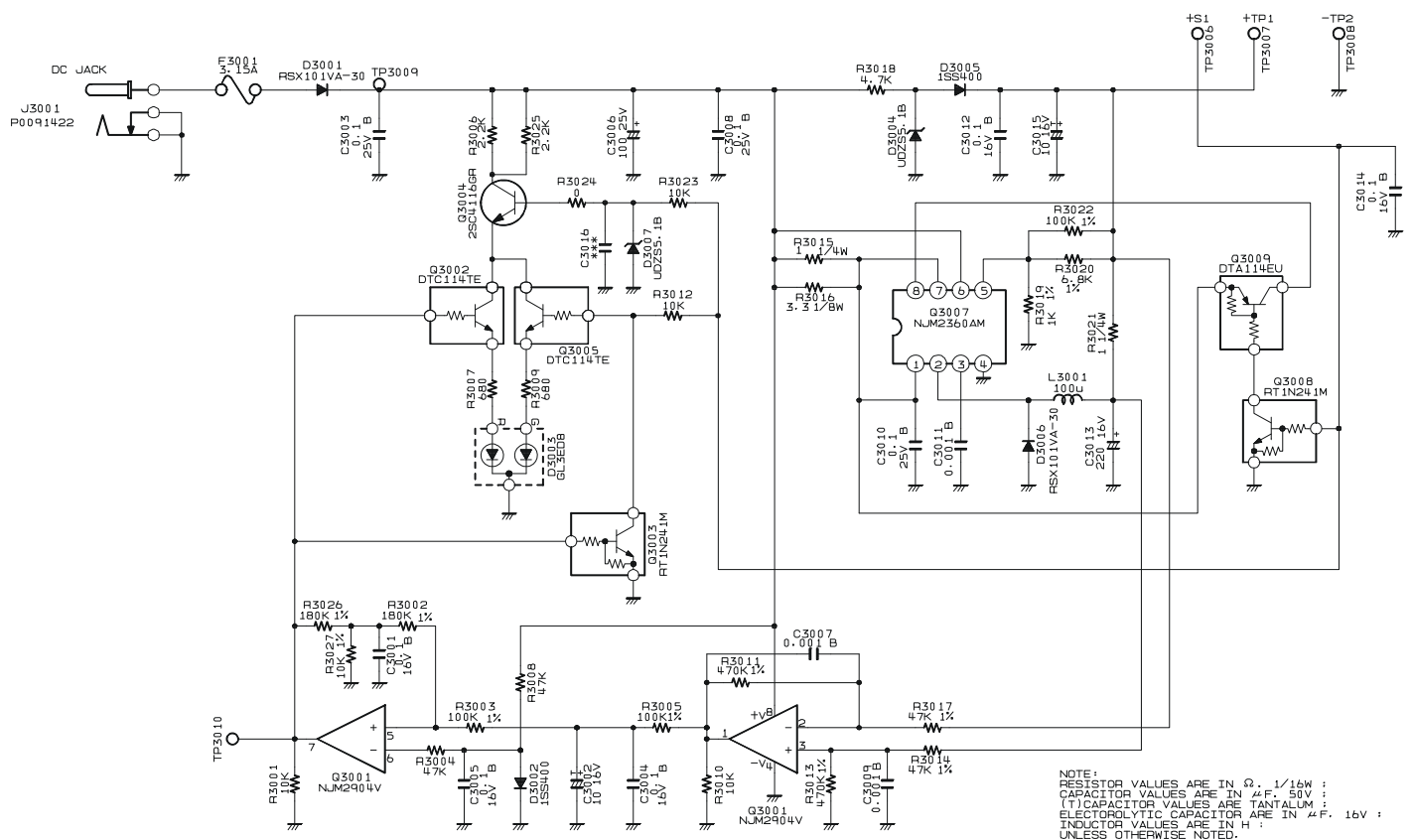
Note

Exploded View

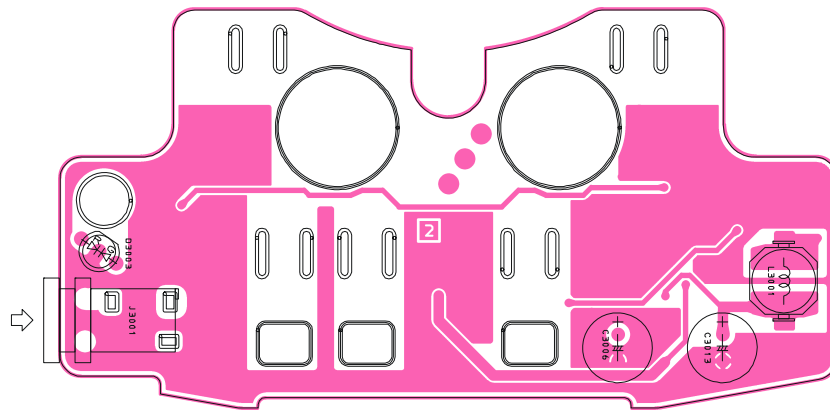


Ref.	VXSTD P/N	Description	Qty.
①	U24106020	BIND HEAD TAPTITE-BM2X6SUS	2
②	U24108020	BIND HEAD TAPTITE-BM2X8SUS	2

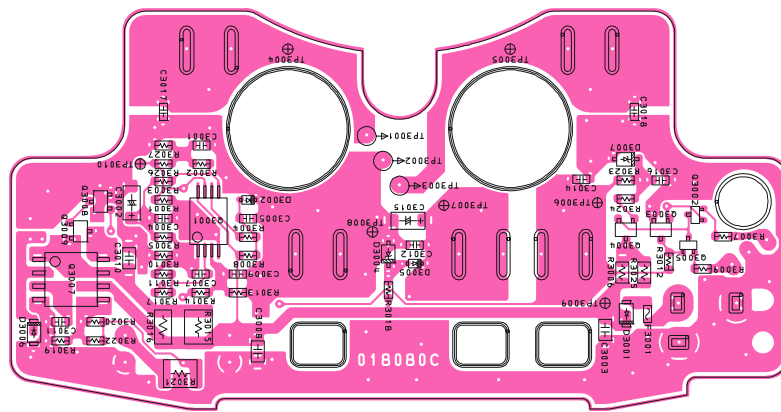
Circuit Diagram



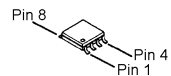
Parts Layout



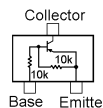
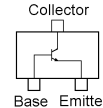
(Side A)



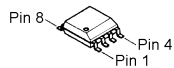
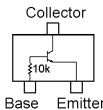
(Side B)



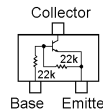
NJM2904V
(Q3001)

DTA114EUA
(Q3009)

2SC4116 (LG)
(Q3004)

NJM2360AM
(Q3007)

DTC114TE (04)
(Q3002, 3005)



RT1N241M (N2) (Lot. 1-4)
DTC124EU (25) (Lot. 5-)
(Q3003, 3008)

CD-39 Charger Cradle

Parts List

REF	DESCRIPTION	VALUE	V/W	TOL.	MFR'S DESIG	VXSTD P/N	VERS.	LOT	SIDE	LAY ADR
	Printed Circuit Board				AAF94X000	FR0180800		1-		
C 3001	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 3002	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-		
C 3003	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-		
C 3004	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 3005	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 3006	AL.ELECTRO.CAP.	100uF	25V		RE2-25V101MH3#	K40149028		1-		
C 3006	AL.ELECTRO.CAP.	100uF	25V		UVR1E101MED	K40149080		5-		
C 3007	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-		
C 3008	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-		
C 3009	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-		
C 3010	CHIP CAP.	0.1uF	25V	B	GRM21BB11E104KA01L	K22140811		1-		
C 3011	CHIP CAP.	0.001uF	50V	B	GRM188B11H102KA01D	K22174821		1-		
C 3012	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 3013	AL.ELECTRO.CAP.	220uF	16V		RE3-16V221MF3#	K40129095		1-		
C 3013	AL.ELECTRO.CAP.	220uF	16V		UVR1C221MED	K40129105		5-		
C 3014	CHIP CAP.	0.1uF	16V	B	GRM188B11C104KA01D	K22124805		1-		
C 3015	CHIP TA.CAP.	10uF	16V		TEESVA1C106M8R	K78120077		1-		
D 3001	DIODE				RSX101VA-30TR	G2070984		1-		
D 3002	DIODE				1SS400 TE61	G2070634		1-		
D 3003	LED				GL3ED8	G2090640		1-		
D 3004	DIODE				UDZS TE-17 5.1B	G2070908		1-		
D 3005	DIODE				1SS400 TE61	G2070634		1-		
D 3006	DIODE				RSX101VA-30TR	G2070984		1-		
D 3007	DIODE				UDZS TE-17 5.1B	G2070908		1-		
F 3001	CHIP FUSE	3.15A			FHC16 322ADTP	Q0000118		1-		
J 3001	CONNECTOR				LGP6501-0100C	P0091422		1-		
L 3001	M.RFC	100uH			7C06N-101M	L1691231		1-		
Q 3001	IC				NJM2904V-TE1	G1091677		1-		
Q 3002	TRANSISTOR				DTC114TE TL	G3070225		1-		
Q 3003	TRANSISTOR				RT1N241M-T11-1	G3070249		1-		
Q 3003	TRANSISTOR				DTC124EU T106	G3070045		5-		
Q 3004	TRANSISTOR				2SC4116GR(TE85R.F)	G3341167G		1-		
Q 3004	TRANSISTOR				2SC4116GR(TE85L.F)	G3341168G		5-		
Q 3005	TRANSISTOR				DTC114TE TL	G3070225		1-		
Q 3007	IC				NJM2360AM-TE1	G1093076		1-		
Q 3008	TRANSISTOR				RT1N241M-T11-1	G3070249		1-		
Q 3008	TRANSISTOR				DTC124EU T106	G3070045		5-		
Q 3009	TRANSISTOR				DTA114EUA T106	G3070083		1-		
R 3001	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 3002	CHIP RES.	180k	1/16W	1%	RMC1/16 184FTP	J24183184		1-		
R 3003	CHIP RES.	100k	1/16W	1%	RMC1/16 104FTP	J24183104		1-		
R 3004	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-		
R 3005	CHIP RES.	100k	1/16W	1%	RMC1/16 104FTP	J24183104		1-		
R 3006	CHIP RES.	2.2k	1/10W	5%	RMC1/10T 222J	J24205222		1-		
R 3007	CHIP RES.	680	1/16W	5%	RMC1/16 681JATP	J24185681		1-		
R 3008	CHIP RES.	47k	1/16W	5%	RMC1/16 473JATP	J24185473		1-		
R 3009	CHIP RES.	680	1/16W	5%	RMC1/16 681JATP	J24185681		1-		
R 3010	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 3011	CHIP RES.	470k	1/16W	1%	RMC1/16 474FTP	J24183474		1-		
R 3012	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 3013	CHIP RES.	470k	1/16W	1%	RMC1/16 474FTP	J24183474		1-		
R 3014	CHIP RES.	47k	1/16W	1%	RMC1/16 473FTP	J24183473		1-		
R 3015	CHIP RES.	1	1/4W	5%	RMC1/4 1R0JATP	J24245010		1-		
R 3016	CHIP RES.	3.3	1/8W	5%	RMC1/8T 3R3J	J24215339		1-		
R 3017	CHIP RES.	47k	1/16W	1%	RMC1/16 473FTP	J24183473		1-		
R 3018	CHIP RES.	4.7k	1/16W	5%	RMC1/16 472JATP	J24185472		1-		
R 3019	CHIP RES.	1k	1/16W	1%	RMC1/16 102FTP	J24183102		1-		
R 3020	CHIP RES.	6.8k	1/16W	1%	RMC1/16 682FTP	J24183682		1-		
R 3021	CHIP RES.	1	1/4W	5%	RMC1/4 1R0JATP	J24245010		1-		
R 3022	CHIP RES.	100k	1/16W	1%	RMC1/16 104FTP	J24183104		1-		
R 3023	CHIP RES.	10k	1/16W	5%	RMC1/16 103JATP	J24185103		1-		
R 3024	CHIP RES.	0	1/16W	5%	RMC1/16 000JATP	J24185000		1-		
R 3025	CHIP RES.	2.2k	1/10W	5%	RMC1/10T 222J	J24205222		1-		
R 3026	CHIP RES.	180k	1/16W	1%	RMC1/16 184FTP	J24183184		1-		
R 3027	CHIP RES.	10k	1/16W	1%	RMC1/16 103FTP	J24183103		1-		
	TERMINAL PLATE					RA0997000		1-		
	TERMINAL PLATE					RA099700A		3-		
	LED SPACER				LH-5-14	S6000387		1-		

Note



Marine Division of VERTEX STANDARD

US Headquarters

10900 Walker Street, Cypress, CA 90630, U.S.A.

© 2010 VERTEX STANDARD CO., LTD.
All rights reserved.

No portion of this manual
may be reproduced
without the permission of
VERTEX STANDARD CO., LTD.